

Test Plan

**Project Name: Challenging DOM**

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**Date: 14-10-2021**

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# Overview

As a part of project, Expleo has asked Pavani Mandava to test “https://the-internet.herokuapp.com/challenging\_dom” website.

This document serves as a test planning document with details on the scope of the project, test strategy, test schedule, resource requirements and test deliverables.

# Scope

The Scope of the project includes testing the following Web pages of The Internet website

https://the-internet.herokuapp.com/challenging\_dom

## Inclusions

## 

* + - Page Title
    - Page header
    - Button Actions
      * Validate Blue Button
      * Testing its id after click
      * Testing the text after click
      * Validate Red Button
      * Testing its id after click
      * Testing the text after click
      * Validate Green Button
      * Testing its id after click
      * Testing the text after click
    - Table Contents
    - Validate table headers
    - Validate Table row
    - Validate Table Column
    - Canvas Element
      * Validate “Answer” value after browser refresh
      * Validate “Answer” value after button click

## Test Environments

Entire actions mentioned in the ‘INCLUSIONS’ section within the scope section will be tested manually and automated using the tools –

* + - Windows 10
    - Eclipse
    - Java JDK
    - Chrome Browser and chromedriver executable file
    - Firefox Browser and geckodriver executable file

## Exclusions

Any areas that are NOT included in the “INCLUSIONS” section.

# Test Strategy

Pavani Mandava will create Automation test cases for the webpages of The Internet application and execute tests by following below approach

* + Identify the buttons, table elements and the hyperlinks that exists within the identified Challenging DOM webpage of The Internet application and create automated test cases accordingly.
  + Establishing TestNG framework using Page Object Model concept, Selenium with Java

I’ll consider below listed testing type while testing the functionalities and report any bugs found –

**Automation Functional testing** – Testing the webpage (mentioned within the scope of project) of the webpage to make sure that each hyperlink does what it is supposed to do and doesn’t do what it is not supposed to do.

**UI Testing –** Testing the graphical user interface of the application on environments mentioned under “Scope‟ ” Test Environments‟ section.

# Problem Reporting and Test Tracking Procedures

**Bug Reporting Procedure:**

During testing –

* + Any deviation from expected behavior by the application will be noted and reported as Bug. If it can’t be reported as a Bug, it’d be posed as a question.
  + Any bugs related to graphical user interface of the application will be reported.
  + After discovery of a Bug, it will be re-tested to verify reproducibility of the Bug.

Note:

1. Bugs will be documented in word or bug reporting tool used by Expleo.

# Roles/Responsibilities

|  |  |  |
| --- | --- | --- |
| **Name** | **Role** | **Responsibilities** |
| **Louise Collins** | **Interviewer** |  Review the test cases.   * Review the documentation. |
| **Pavani Mandava** | **Interviewee** | * Create the Test plan. * Create automated test cases & execute them on the web application. * Test the functionalities of application with in scope. |

# Test Schedule

Following is the test schedule planned for the project –

|  |  |
| --- | --- |
| **Task** | **Time Duration** |
| **Test plan creation** | 14th Oct 2021 |
| **Automation Test scipts creation** | 14th-16th Oct 2021 |
| **Test execution and Bug reporting** | 17th Oct 2021 |
| **Summary reports submission** | 17th Oct 2021 |
| **Final review** | 18th Oct 2021 |

# Test Deliverables

The following will be delivered to Expleo during the project -

|  |  |  |  |
| --- | --- | --- | --- |
| **Deliverables** | **Description** | **Responsible**  **Owner** | **Target Completion**  **Date** |
| Test Plan | Details on the scope of the project, Test strategy, Test schedule, Resource requirements and Test deliverables | Pavani Mandava | 18th Oct 2021 |
| Automated Test Cases | Automation test suite created for the Web page. | Pavani Mandava | 18th Oct 2021 |